

ABSTRACT

In a submount main body (1) composed of a single crystal silicon, a mounting surface (4) on which a light-emitting device (11) is mounted is composed of a (100)-oriented surface and the inner surface of a through hole (3) which is formed by anisotropic etching is parallel to the (110)-oriented surface. The light-emitting portion of the light-emitting device (11) is arranged to face a device-side opening (31) which opens into the mounting surface (4) of the submount main body (1). Consequently, heat generated in the light-emitting device (11) can be discharged to the outside more efficiently than the case where the light-emitting portion is arranged to face a side opposite to the submount side. Specifically, light from the light-emitting device (11) is reflected by a reflective surface formed on the surface of the through hole (3), and highly efficiently transmitted outside of the submount main body (1).